BRUHAT BANGALORE MAHANAGARA PALIKE

TENDER DOCUMENT (KW-2)

Additional works to Public Toilet at NES Circle in Yelahanka upanagara ward No 04

Estimation Cost 30.00 Lakhs

Yelahanka Division

CMC Road,
Yelahanka old town Bangalore - 560064

Telephones: .....

Fax:

TENDERS FOR THE WORK OF

Additional works to Public Toilet at NES Circle in Yelahanka upanagara ward No 04

TENDER REFERENCE / NOTIFICATION No	: **BBMP/EE/YNK.D/E-PMT/14/2021-22**
PERIOD OF SALE OF TENDER DOCUMENT	: From:17/12/2021 To: 03/01/2022
LAST DATE FOR SALE OF TENDER DOCUMENT	: 03/01/2022
LAST DATE AND TIME FOR RECEIPT OF TENDERS	: 03/01/2022 16:00 Hrs
TIME AND DATE OF OPENING OF TENDERS	: 04/01/2022 16:00 Hrs
PLACE OF OPENING OF TENDERS	: Yelahanka Division, BBMP
ADDRESS FOR COMMUNICATION	: CMC Road, Yelahanka old town, Bangalore - 560064

BRUHAT BENGALURU MAHANAGARA PALIKE

No: BBMP/EE/YNK.D/E-PMT/14/2021-22

Office of the Executive Engineer
Yelahanka division, Bangalore - 560064.
Dated : 15-12-2021

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

INVITATION FOR TENDER (IFT)

(Short term- Tender Notification)

(Through **GOK e–Procurement Portal** only)

1. The Executive Engineer Yelahanka Division invites tenders on behalf of the commissioner, BBMP, Bengaluru from eligible Tenderers for the construction of works detailed in the table below. The tenderers may submit tenders for works given in the table through e-procurement portal of the Government of Karnataka (viz https://eproc.karnataka.gov.in).The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract **as per standard tender document KW-4**
2. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be submitted EMD Declaration Copy (As per Government order No:FD/675/expe-12/2020 Bangalore Dated 22-12-2020)
3. S Tenders must be submitted online through e-procurement portal on or before 16.00 hours on **03-01-2022** and the opening of tenders will be as per the e-procurement portal guidelines.
4. GST Shall be Paid to the tendered amount separately
5. Other details can be seen in the tender documents.

Sl. No.	Name of the Work	Est. Cost in Lakhs	Category	Cost of Tender form in Rs. (Non-Refundable)	Period of Completion
1.	Improvements of roads, development of Parks and Construction of Buildings in ward no 01, 02, 03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants (Package No-15)	970.00	-	As per e-Procurement Portal	06 Months
2.	Augmentation of water supply through borewell, network of pipelines and ground water recharge facilities in various layout of Harohalli, Nagenahalli, Kenchenhalli, Ananthapura, Doddabettahalli and Chikkabettahalli village limits in ward No 02, 03 of Yelahanka Division (PACKAGE NO-16)	420.00	-	As per e-Procurement Portal	04 Months
3.	Additional Development works at Doddabettahalli Govt School in Attur Ward No 03	100.00	-	As per e-Procurement Portal	06 Months
4.	Construction of Additional Class Rooms to Govt School at B Sector in ward No 04.	100.00	-	As per e-Procurement Portal	06 Months
5.	Additional and Alteration of School Buildings at Kanakanagara, Allalasandra and Ambedkar Nagara in Ward No 04	100.00	-	As per e-Procurement Portal	06 Months
6.	Supplying of Benches/Desks to Govt schools and Colleges in ward No 01, 02, 03 & 04 of Yelahanka Division.	100.00	-	As per e-Procurement Portal	03 Months
7.	Additional works to Public Toilet at NES Circle in Yelahanka upanagara ward No 04	30.00	-	As per e-Procurement Portal	03 Months

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

13. FSD will be refunded only after Defect Liability Period (DLP) as per Condition 12.
14. Tenders must be accompanied by Earnest Money Deposit specified for the work in the Table below. Earnest Money Deposit will have to be in any one of the forms as specified in the Tender document and shall have to be valid for **90 days** beyond the validity of the tender.
15. For Asphalting works, like Pothole filling, Chip Carpeting, B.M & B.C etc., those who own their hot mix plant & mechanical paver only need apply. Such of those tenderer will have to furnish the list of machinery equipment along with the copy of the Registration Certificate at the time of scanning of tender documents.
16. Frequency of the Quality tests of all the materials and other tests have to be conducted by contractor as per Specifications for Road and Bridge Works (5th Revision) and IRC:SP:11-1984 Handbook of Quality Control for Construction of Roads and Runways, IRC:SP:112-2017 Manual for Quality Control in Road and Bridge Works, IRC:SP:47-1998 Guidelines on Quality Systems for Road Bridges (Plain, Reinforced, Prestressed), RC:SP:57-2000 Guidelines for Quality Systems for Road Construction and Composite Concrete and SP:7-2005 National Building Code of India & other relevant Indian standards in his laboratory or any other Laboratory assigned by the BBMP on his own cost in presence of Engineer/ consultants appointed by BBMP.
17. As per Govt. Order No: LD 300/LET/2006, Dated: 18.07.2007, 1% of the bill amount will be deducted and remitted to Karnataka State Building & Other Construction Employees Welfare Board.
18. The Tenderers are advised to note the minimum qualification criteria specified in clause 3 of the Instructions to Tenderers to qualify for award of the contract **(Standard Tender Document KW 1 & 2** also Tenderers are advised to go through the Standard Bid Documents.
19. Any Corrigendum / Modification will be notified in the Notice Board of the Undersigned.
20. The BBMP reserves the right to accept/reject any or all tenders without assigning any reasons what so ever.
21. **Successful Tenderer should deliver to the employer a security deposit equivalent 3% of the Contract price in form of DD / Bank Guarantee in favour of Commissioner BBMP otherwise action will be initiated as per Standard Bid document clauses.**
22. **An additional security for unbalanced bids (difference amount 50%) in the form of DD/ Bank Guarantee to be submitted in favour of Commissioner BBMP to the undersigned before opening of the technical bid otherwise there bids will be rejected.**
23. The Tender Accepting Authority shall have the power to accept or to reject any tender without assigning any reason thereof.
24. GST will be paid to the tendered amount separately only for 2018-19 schedule of rates and for GST/VAT is included in other than 2018-19 schedule of Rates.
25. As per Government Circular No. CI 81 MMN 2014 Dt: 18.02.2014 & ಗಭೂಇಪಸಜಿ/ಕಗಗು/ರಾ.ಪ.ಕೋ/2013-14 ದಿನಾಂಕ: 13.03.2014 the contractors are liable to pay royalty in terms of the contract if they are not able to produce the materials purchased document / MDP's from where they purchase.
26. Black Listed Contractors / in Govt. / Quasi Govt. / Boards / BBMP etc., are not eligible to quote, if found such Tenders will be rejected.
27. All the participants should produce all the original documents for verification whenever necessary.
28. The work shall be carried out as per the directions of the BBMP and if necessary in coordination with BESCOM, BWSSB, Other Utility Agencies and Engineer in charge of Work.
29. No Joint Venture / Consortium is permissible.
30. The Work shall be commenced with all Men and Machinery within 7 days from the Date of Work Order, failing which it would be presumed that the Successful Tenderer is not

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Executive Engineer
Bruhat Bengaluru Mahanagara Pal

12. Copy to Acct. Suptd. / Cashier of Division office for Necessary Action..
13. Copy to IT Advisor with Soft copy for needful action to place in the BBMP website.
14. Copy to Store Keeper/ Records Section, Mayo Hall, Bangalore for information and need full action.
15. Copy to Assistant Executive Engineer (Yelahanka sub Division and Satellite Town Sub Division) for Information & Necessary Action.
16. Notice Board / Office Copy.

Executive Engineer
Yelahanka Division, BBMP

Contents

Section No.	Description	Page
1	INVITATION FOR TENDERS (IFT)	3
2	INSTRUCTIONS TO TENDERERS (ITT)	4
3.	FORM OF TENDER AND QUALIFICATION INFORMATION	12
4.	CONDITIONS OF CONTRACT (CC)	18
5	CONTRACT DATA	28
6	SPECIFICATIONS	30
7	DRAWINGS	31
8.	BILL OF QUANTITIES	32
9.	FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT	33

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

Table of Clauses

		Page No.
A.	**General**	
1.	Scope of Tender	5
2.	Eligible Tenderers	5
3.	Qualification of Tenderer	5
B.	**Tender Documents**	
4.	Content of Tender documents	6
5.	Amendment of Tender documents	6
C.	**Preparation of Tenders**	
6.	Documents comprising the Tender	6
7.	Tender prices	6
8.	Tender validity	7
9.	Earnest money deposit	7
10.	Format and signing of Tender	7
D.	**Submission of Tenders**	
11	Sealing and marking of Tenders	8
12	Deadline for submission of Tenders	8
13	Late Tenders	8
14	Modification and Withdrawal of Tenders	8
E.	**Tender opening and evaluation**	
15.	Tender opening	8
16.	Process to be confidential	9
17.	Clarification of Tenders	9
18.	Examination of Tenders and determination of responsiveness	9
19.	Correction of errors	10
20.	Evaluation and comparison of Tenders	10
F.	**Award of contract**	
21.	Award criteria	10
22	Employer's right to accept any Tender and to reject any or all Tenders	10
23.	Notification of award and signing of Agreement	10
24.	Security deposit	11
25.	Corrupt or Fraudulent practices	11

Executive Engineer
Urban Development Authority
Yatahanka, Division

N = Number of years prescribed for completion of the works for which Tenders are invited.

B = Value, at (*FY in which the tenders are invited.*) price level, of existing commitments and on-going works to be completed during the next.....years *(period of completion of the works for which Tenders are invited)*

Note: *The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.*

3.4 Even though the tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

B. Tender documents

4. Content of Tender documents

4.1 The set of tender documents shall have all the Sections given in Page 2:
4.2 Both the sets should be completed and returned with the tender.

5. Amendment of Tender documents

5.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.
5.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.
5.3 To give prospective tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 12.2 below.

C. Preparation of Tenders

6. Documents comprising the Tender

6.1 The tender submitted by the Tenderer shall comprise the following:
(a) The Tender (in the format indicated in Section 3).
(b) Earnest Money Deposit;
(c) Priced Bill of Quantities;
(d) Qualification Information Form and Documents;
and any other materials required to be completed and submitted by tenderers in accordance with these instructions. **The documents listed under Sections 3, 5 and 8 shall be filled in without exception.**

7. Tender prices

7.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.
7.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all Items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). *Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the*

Executive Engineer
Yelahanka, Divisi

as extended pursuant to Clause 8.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 9.

14.5 Tenderers may only offer discounts to, or otherwise modify the prices of their Tenders by submitting Tender modifications in accordance with this clause, or included in the original Tender submission.

E. Tender opening and evaluation

15. Tender opening

15.1 The Employer will open all the Tenders received (except those received late), including modifications made pursuant to Clause 14, in the presence of the Tenderers or their representatives who choose to attend at ..... hours on the date and the place specified in Clause 12. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

15.2 Envelopes marked **"WITHDRAWAL"** shall be opened and read out first. Tenders for which an acceptable notice of withdrawal has been submitted pursuant to Clause 14 shall not be opened. Subsequently all envelopes marked **"MODIFICATION"** shall be opened and the submissions therein read out in appropriate detail.

15.3 The Tenderers' names, the Tender prices, the total amount of each Tender, any discounts, Tender modifications and withdrawals, the presence or absence of Tender security, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening. No Tender shall be rejected at Tender opening except for the late Tenders pursuant to Clause 13. Tenders [and modifications] sent pursuant to Clause 14 that are not opened and read out at Tender opening will not be considered for further evaluation regardless of circumstances. Late and withdrawn Tenders will be returned un-opened to Tenderers.

15.4 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 15.3.

16. Process to be confidential

16.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

17. Clarification of Tenders

17.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 19.

17.2 Subject to sub-clause 17.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

17.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

18. Examination of Tenders and determination of responsiveness

18.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender (a) meets the eligibility criteria defined in Clause 2; (b) has been properly signed;

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

23. Notification of award and signing of Agreement

23.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

23.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause 24.

23.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

23.4 Upon the furnishing by the successful Tenderer of the Security deposit, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

24. Security deposit

24.1 Within 21 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5% of the Contract price :

- Cash or
- Banker's cheque/Demand draft,/Pay Order in favour of ..... payable at .....or
- Specified Small Savings Instruments pledged to .....

24.2 The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the contractor.

24.3 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 24.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the earnest money deposit.

25. Corrupt or Fraudulent practices

25.1 The BBMP requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, BBMP :

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a BBMP contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a GOK/BBMP contract.

25.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 43.2 of the Conditions of Contract.

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Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Form of Tender

Description of the Works: Additional works to Public Toilet at NES Circle in Yelahanka upanagara ward No 04
(To be filled in by the Employer before issue of the Tender document)

Tender

To : Executive Engineer (.....)
Address : CMC Road,
Yelahanka old town,
Bangalore - 560064

.....
(To be filled in by the Employer before issue of the Tender document)

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of 30.00 lakhs (Rupees Thirty Lakhs Only) *[in letters]*. *(To be filled in by the Tenderer, together with his particulars and date of submission at the bottom of the Form of Tender)*

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory:

Name of Tenderer _____
Address: .....
.....
.....

Qualification Information

NLRC ND

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka Division

1.8. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.9 Proposals for subcontracting components of works amounting to more than 20% of the contract price [for each, the qualifications and experience of the identified sub-contractor in the relevant fields should be attached.]

Letter of Acceptance

(letterhead paper of the Employer)

_____[date]

To: .....[name and address of the Contractor]

Dear Sirs,

Executive Engineer
Brihat Bengaluru Mahanagara Palike
Yelahanka, Division

.....[*name and identification number of Contract]* (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees .....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
   - i) Letter of Acceptance;
   - ii) Notice to proceed with the works;
   - iii) Contractor's Tender;
   - iv) Contract Data;
   - v) Conditions of contract (including Special Conditions of Contract);
   - vi) Specifications;
   - vii) Drawings;
   - viii) Bill of Quantities; and
   - ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of

.....

was hereunto affixed in the presence of:
Signed, Sealed and Delivered by the said

.....

in the presence of:
Binding Signature of Employer .....

Binding Signature of Contractor .....

SECTION 4: CONDITIONS OF CONTRACT

Table of Contents

		Page No.
A.	**General**	
	1. Definitions	19
	2. Interpretation	19
	3. Law governing contract	20
	4. Employers decisions	20
	5. Delegation	20
	6. Communications	20
	7. Subcontracting	20
	8. Other Contractors	20
	9. Personnel	20
	10. Employer's and Contractor's risks	20

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Executive Engineer
Divisional Secretariat Mahanagara Palika
Yelahanka, Division

The **Contract Data** defines the documents and other information which comprise the Contract.
The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.
The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.
The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
Days are calendar days; **months** are calendar months.
A **Defect** is any part of the Works not completed in accordance with the Contract.
The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.
The **Employer** is the party who will employ the Contractor to carry out the Works.
Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.
The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.
Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.
Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.
The **Site** is the area defined as such in the Contract Data.
Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.
The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.
A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.
A **Variation** is an instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor's Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

N.L.R.O.No

Executive Engineer
Brihat Bengaluru Mahanagara Palike
Yelahanka, Division

15.1 The Contractor may commence execution of the Works on the Start Date and complete them by the Intended Completion Date.

16. Safety

16.1 The Contractor shall be responsible for the safety of all activities on the Site.

17. Discoveries

17.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

18. Possession of the Site

18.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

19. Access to the Site

19.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

20. Instructions

20.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

B. Time Control

21. Program

21.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.

21.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

22. Extension of the Intended Completion Date

22.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.

22.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

23. Delays ordered by the Employer

23.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

N.L.R.C.

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

39. Taking over

39.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

40. Final account

40.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

41. As built drawings

41.1 If "as built" Drawings (completion drawings) are required, the Contractor shall supply them by the dates stated in the Contract Data.

41.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

42. Termination

42.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

42.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) the Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;

(b) Deleted.

(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(d) Deleted.

(e) the Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;

(f) the Contractor does not maintain a security which is required;

(g) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and

(h) if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.
For the purpose of this paragraph : "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition."

42.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 42.2 above, the Employer shall decide whether the breach is fundamental or not.

42.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

42.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

N.L.R.e.N.

Executive Engineer
Brahat Bengaluru Mahanagara Palike
Yelahanka Division

any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

3. **Protection of Environment:**

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor and his sub-contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

4. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

[Add other Clauses specific to the work for which tenders are invited.]

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Yelahanka, Division

The Defects Liability Period is _____ days[3]. [27]

The liquidated damages for the whole of the works are Rs..... (amount) per day [36]
(The amount is usually computed on the basis of 0.1% of the contract price per day. The amount has to be specified as a round figure nearest to the hundred.)
The maximum amount of liquidated damages for the whole of the works is Ten percent (10%) of final contract price. [36]

The date by which "as-built" Drawings *(Completion drawings)* (in scale ...[4]) in 2 sets are required is within 30 days of issue of certificate of completion . [41]

The amount to be withheld for failing to supply "as built"[5] drawings by the date required is Rs..... [41]

The following events shall also be fundamental breach of the contract : [42.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's Additional cost for completing the Works shall be 30[6] percent (30%). [43.1]

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[3] The period should depend upon the period required for testing of the work. In case of building it could be 12 months (passing of one rainy season); for pipe laying work, tanks, water retaining structures, the time required for testing; for canals, lining works, the passing of one monsoon or running of canal whichever is lower; roads and highways passing of one monsoon (12 months)

[4] specify the scale.

[5] The amount should be sufficient to get the completion drawings prepared by alternative agency in case the contractor fails to submit.

[6] Change if need be. It should be sufficient to get the balance of works completed by alternative agency.

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Yelahanka, Divi

SECTION 8: BILL OF QUANTITIES
(Enclosed separately)

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Additional works to Public Toilet at NES Circle in Yelahanka Upanagara ward no - 04.

DRAFT TENDER SCHEDULE

Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimat in Rs.	
				In Figures	In Words
1	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar. complete as per specifications and site engineer in incharge	Cum	2.06		
2	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) complete as per specifications and site engineer in incharge	Sqm	6.36		
3	Dismantling plastering and removing the debris with a lead upto 200m. complete as per specifications and site engineer in incharge	Sqm	10.30		
4	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc.,complete as per specifications and site engineer in incharge	Cum	3.22		
5	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and site engineer in incharge	Cum	62.15		
6	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications and site engineer in incharge	Cum	1.56		

N.L.R.E.M.S

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

7	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and site engineer in incharge	Cum	6.99
8	Providing and laying in position plain cement concrete of mix 1:1:2 0 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS#103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and site engineer in incharge	Cum	17.57
9	Providing and constructing granite / trap / basalt size Stone masonry in foundation cement mortar 1:6, stone hammeddressed in courses not less than 20 cms high, Bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Cum	12.02
10	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1.5 m. including cost of all labour complete as per specifications and site engineer in incharge	Cum	16.69
11	Removing the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc. complete as per specifications and site engineer in incharge	Cum	21.41
12	Providing and removing centering, shuttering, strutting, propping etc. and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm	77.18
13	Providing and removing centering, shuttering, strutting, propping etc. and removal of form work for vertical surface such as walls at any thickness including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm	27.24

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

14	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm	46.67		
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.complete as per specifications and site engineer in incharge	Sqm	64.51		
16	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications and site engineer in incharge	Sqm	6.48		
17	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm	50.51		
18	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. ;including edges including cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm	2.34		
19	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcementcomplete as per specifications and site engineer in incharge	Cum	7.82		

N.L.P.E.N

Executive Engineer
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Yelahanka, Division

20	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thickness) including attached plasters ,columns, pillars,posts,struts,butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing,complete as per specifications and site engineer in incharge	Cum	3.54
21	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc , complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25 complete as per specifications and site engineer in incharge	Cum	12.45
22	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.886cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and site engineer in incharge	Sqm	3.60
23	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening cutting bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design. (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and site engineer in incharge	tonne	1.82

Executive Engineer
Brihat Bangalore Mahanagara Palike
Yelahanka, Division

24	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications and site engineer in incharge	Sqm	91.94			
25	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc.,complete as per specifications and site engineer in incharge	Sqm	44.53			
26	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	112.65			
27	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	84.18			
28	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	109.97			
29	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	44.30			

Executive Engineer
Brihat Bengaluru Mahanagara Palike
Yelahanka, Division

30	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. complete as per specifications and site engineer in incharge	Sqm	128.48
31	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. complete as per specifications and site engineer in incharge	Sqm	84.18
32	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof complete as per specifications and site engineer in incharge	Sqm	44.30
33	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. complete as per specifications and site engineer in incharge	Sqm	112.65

Executive Engineer
Bruhat Bengaluru Mahanagara Palike.
Yelahanka, Division

34	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curingcomplete as per specifications and site engineer in incharge	Sqm	42.00		
35	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 900x900x 12mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc including Cost of all materials mortar labour etc complete as per specifications and site engineer in incharge	Sqm	18.09		
36	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and site engineer in incharge	Sqm	66.29		
37	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.complete as per specifications and site engineer in incharge	Sqm	30.32		
38	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specifications and site engineer in incharge	m	24.65		

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Executive Engineer
Brahat Bengaluru Mahanagara Palike
Yelahanka, Division

39	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per specifications and site engineer in incharge	Sqm	24.60
40	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications and site engineer in incharge	Nos	3.00
41	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 83,Item No 9.11	Cum	0.37

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

42	fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Page No. 63, Item No. 9.95	m	25.20		
43	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bóttom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and site engineer in incharge	Sqm	7.56		
44	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot.complete as per specifications and site engineer in incharge	Sqm	9.45		

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Bl

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45	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and site engineer in incharge	Sqm	6.03
46	Providing & fixing of 3 Track - 2 Panel Sliding Windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free, gaskets having isolated drainage and reinforced with Galvanized Iron profile through-out the window Frame. The outer frame having a overall size of 108 mm width X 45 mm height with reinforcement of 1 mm thickness and sash with overall size of 39 mm x 75 mm with GI reinforcement of 2 mm and mesh sash of size 30mm.Windows shall be provided with 5mm plain float glass, standard hardware and single point locking system with touch lock. Wall thickness of frame and sash shall be of 2mm -2.5mm. Maximum possible size -2419mm x 21119 mm complete as per specifications and site engineer in incharge	Sqm	4.50
47	Providing & of Fixed Louvered Ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections with Minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free with gaskets-grey colour having isolated drainage and reinforced with Galvanized Iron profiles through out the Ventilator Frame. The frame having a overall size of 39mm x 39mm with GI reinforcement of 1 mm thickness. Louver clip in Aluminium(powder coated in white) will be used on the frame along with plastic parts for fixing the4mm pin head glass. Wall thickness of frame shall be 2mm. Maximum possible size-1000mm X 1000mm complete as per specifications and site engineer in incharge	Sqm	3.60
48	Providing and fixing M.S grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and site engineer in incharge	Kg	94.50

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division.

49	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and site engineer in incharge	sqm	12.60		
50	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) complete as per specifications and site engineer in incharge	Cum	14.57		
51	Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite. laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. complete as per specifications and site engineer in incharge	Sqm	32.00		
52	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for straight Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant of Dow Corning 789 with necessary rods etc., complete as per specifications and site engineer in incharge	Sqm	137.22		

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

59	concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement complete as per specifications and site engineer in incharge	Cum	7.20		
60	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and site engineer in incharge	Tonne	0.72		
61	Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications and site engineer in incharge	Nos	4.00		
62	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per specifications and site engineer in incharge	Sqm	48.00		

N.L.R.O.No

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

69	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications and site engineer in incharge.	Unit	4.00		
70	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Each	18.00		
71	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 3000 Litre capacity) as per IS 12701 1996 and site engineer in incharge.	Each	2.00		
72	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and site engineer in incharge.	Each	18.00		
73	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and site engineer in incharge.	Each	35.00		
74	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and site engineer in incharge.	Each	2.00		
75	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete and site engineer in incharge.20mm nominal OD pipes	m	15.00		
76	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete and site engineer in incharge.25mm nominal OD pipes	m	20.00		

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

83	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall **4- 5 Way**	Each	5.00		
84	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 . **6AMP 3/5 and Switch**	No	3.00		
85	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293	Each	4.00		
86	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 **16Amps Combined switch and socket with indication**	No	5.00		
87	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-94:confirming to latestamendments **1.5sqmm**	Rm	70.00		
88	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments **2.5sqmm**	Rm	20.00		
89	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting	Nos	30.00		
90	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply. complete as per specifications and site engineer in incharge	Each	21.00		
91	Supplying, fixing and wiring electronic Trivector Meter(ETV) 5 to 20Amps single phase Class-1 Accuracy with Temper Proof Energy Meter. complete as per specifications and site engineer in incharge	Each	2.00		

Note:

(1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer: ITB Clause 7.2 and CC Clause 33.2).

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Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

(2) Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.

(3) Where there is a discrepancy between the rate in figures and words, the lower of the two will govern. [ITB Clause 19.1(a)]

(4) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITB Clause 19.1(b)]

SECTION 9: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To The Commissioner
Bruhat Bangalore Mahanagara Palike
N.R. Square, Bangalore - 560002

WHEREAS _____ *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ *[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs._____ *[amount of guarantee]* [7] _Rupees _____ *[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ *[amount of guarantee]*[8] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

[7] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

[8] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division